

Name: _____

at1110paper_practice_test (v39)

1. Solve the equation with factoring by grouping.

$$24x^2 + 20x - 18x - 15 = 0$$

2. Solve the equation.

$$9x^2 + 20x + 1 = 2x^2 + 3x - 5$$

3. Factor the expression.

$$x^2 - x - 72$$

4. Solve the equation.

$$(7x - 6)(4x + 3) = 0$$

5. Expand the following expression into standard form.

$$(2x + 3)(4x - 9)$$

6. Expand the following expression into standard form.

$$(5x - 4)^2$$

7. Expand the following expression into standard form.

$$(3x + 2)(3x - 2)$$

8. Factor the expression.

$$49x^2 - 9$$